

# Converting Colors

XYZ(71.2847, 78.1745, 75.6293)

Have a look what the booklet for  
XYZ(71.2847, 78.1745, 75.6293)  
contains.

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# Color

**XYZ(71.2466, 78.1491,  
75.6192)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEE8D7
RGB	222, 232, 215
RGB Percent	87%, 91%, 84%
CMY	0.1294, 0.0902, 0.1569
CMYK	0.04, 0.00, 0.07, 0.09
HSL	95°, 27%, 88%
HSV	95°, 7%, 91%
XYZ	71.2466, 78.1491, 75.6192
YIQ	227.0720, -0.5030, -7.4070

# Conversions

## Conversions Part 2

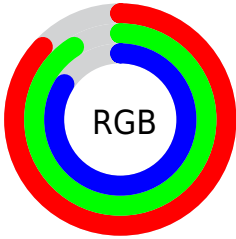
Format	Color
R <sub>Y</sub> B	215, 232, 225
Decimal	14608599
CIE Lab	90.85, -6.35, 7.11
CIE LCh	91, 9.532, 131.799
Yxy	78.1491, 0.3166, 0.3473
Android (android.graphics.Color)	4292798679 (0xFFDEE8D7)
YUV	227.0720, -5.9515, -4.4481
Hunter-Lab	88.4020, -10.8434, 11.1646

# Details

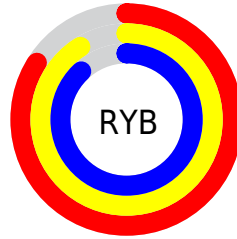
The XYZ color **71.2466, 78.1491, 75.6192** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.9202, 70.4367, 86.2584**, and the grayscale version is **73.1101, 76.9175, 83.7632**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8068, 41.8042, 39.3341** is the 20% darker color. If you saturate the color by 10%, you get **64.4620, 74.9742, 60.8277**, and if you desaturate by 10%, it is **78.7969, 81.6744, 92.6565**.

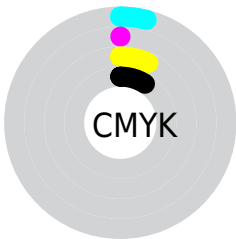
# Distribution



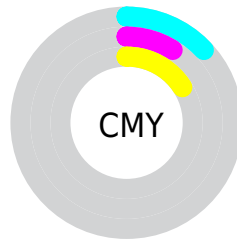
- Red (87%)
- Green (91%)
- Blue (84%)



- Red (84%)
- Yellow (91%)
- Blue (88%)



- Cyan (4%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2466, 78.1491, 75.6192 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 71.2466, 78.1491, 75.6192 by changing the saturation by 10% instead.



■ 71.2466, 78.1491,  
75.6192

■ 71.2466, 78.1491,  
75.6192

454.1135,  
488.6730, 499.3552

■ 52.8267, 58.1965,  
55.6155

120.0014,  
130.7603, 128.9436

■ 37.8914, 41.9666,  
39.4928

151.0670,  
164.1876, 163.1015

■ 26.0752, 29.0752,  
26.8326

187.0786,  
202.8753, 202.8144

■ 17.0129, 19.1377,  
17.2162

228.4015,  
247.2078, 248.5011

■ 10.3391, 11.7698,  
10.2252

275.4011,  
297.5694, 300.5800

■ 5.6883, 6.5871,  
5.4409

328.4427,

■ 2.6953, 3.2053,

354.3445, 359.4696

2.4450

387.8917,  
417.9176, 425.5885

■ 0.9948, 1.2398,  
0.8108

■ 0.0000, 0.0939,  
0.0000

■ 71.2466, 78.1491,  
75.6192

■ 71.2466, 78.1491,  
75.6192

■ 64.4620, 74.9742,  
60.8277

■ 78.7969, 81.6744,  
92.6565

■ 58.4109, 72.1283,  
48.1835

■ 86.0824, 85.1313,  
106.5027

■ 53.0682, 69.6030,  
37.5879

■ 88.1481, 86.1962,  
106.5994

■ 48.4049, 67.3857,  
28.9328

■ 44.3896, 65.4629,  
22.1002

■ 40.9882, 63.8197,  
16.9589

■ 38.1627, 62.4398,  
13.3606

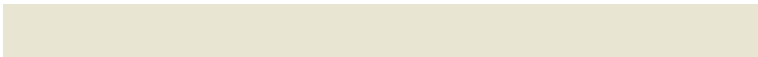
■ 35.8696, 61.3046,  
11.1308

■ 34.0545, 60.3911,  
10.0398

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3393, 78.1491, 72.8055



71.2466, 78.1491, 75.6192



69.9827, 78.1491, 81.0316

# Triad

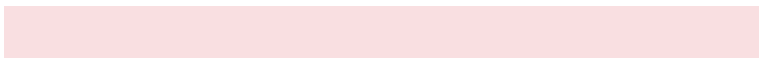
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.2466, 78.1491, 75.6192



72.8471, 78.1491, 98.2656



78.8850, 78.1491, 82.4188

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



71.2466, 78.1491, 75.6192



69.9202, 70.4367, 86.2584

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7463, 78.1491, 89.2839



71.2466, 78.1491, 75.6192



75.2254, 78.1491, 98.6864

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



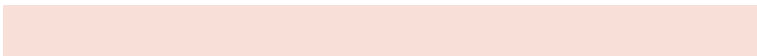
71.2466, 78.1491, 75.6192



70.8929, 78.1491, 94.2019



77.3950, 78.1491, 95.3226



77.7699, 78.1491, 76.5875



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



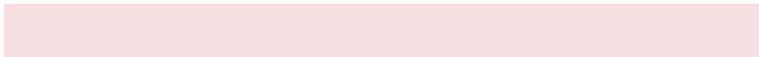
71.2466, 78.1491, 75.6192



69.7633, 78.1491, 85.5063



77.3950, 78.1491, 95.3226



78.9841, 78.1491, 84.6772

# Sweetspot

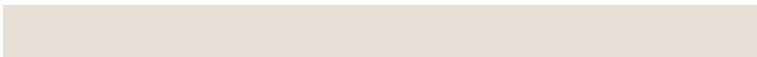
The Sweet Spot groups the original color and five complimentary colors.



71.2488, 78.1525, 75.6209



93.1443, 99.1112, 104.5814



72.4502, 75.8706, 75.1171



19.9567, 21.2232, 22.4300



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2488, 78.1525, 75.6209



86.7783, 96.1375, 90.3639



69.3319, 77.1431, 76.4859



14.7485, 16.3774, 15.2883



18.8044, 33.4755, 5.4703



1.4930, 2.5270, 0.4091



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.9202, 70.4367, 86.2584



84.7699, 84.4734, 106.4449



71.9471, 71.5048, 85.3067



14.3915, 14.3040, 18.1468



13.9140, 6.2388, 42.8540

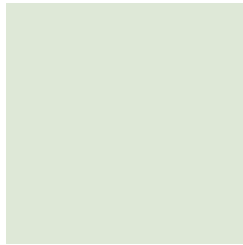


1.1331, 0.5151, 3.1717



# Previews

## White Background



This preview shows how the XYZ color 71.2466, 78.1491, 75.6192 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

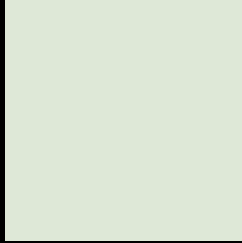
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2466, 78.1491, 75.6192 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

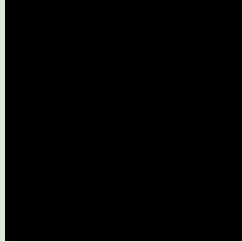
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

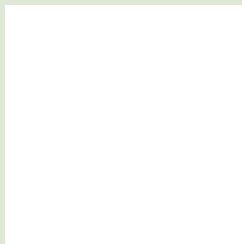
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.2466, 78.1491, 75.6192

## Background



This preview shows how black text looks on a background with the XYZ color 71.2466, 78.1491, 75.6192.



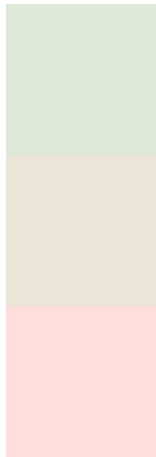
This preview shows how white text looks on a background with the XYZ color 71.2466, 78.1491,

75.6192.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

71.2466, 78.1491, 75.6192

### Protanopia

74.3457, 78.1238, 74.1117

### Deuteranopia

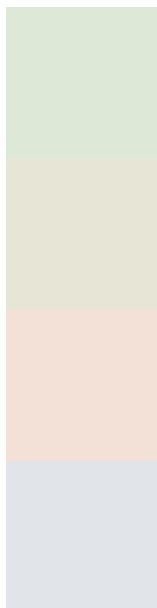
79.6208, 77.9827, 76.5013



## **Tritanopia**

75.6291, 77.8616, 97.4289

# Trichromacy



## Original Color

71.2466, 78.1491, 75.6192

## Protanomaly

73.1119, 77.8826, 74.7978

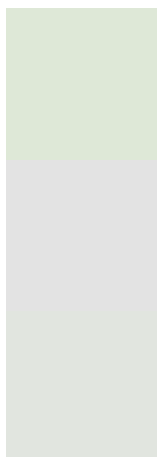
## Deuteranomaly

76.2820, 77.8630, 75.9743

## Tritanomaly

73.9219, 77.9867, 88.9987

# Monochromacy



## Original Color

71.2466, 78.1491, 75.6192

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.3899, 77.3739, 80.9313

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2466, 78.1491, 75.6192 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(222, 232, 215) looks like.

```
.text, #text, p{  
    color:rgb(222, 232, 215)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(222, 232, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 232, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2466, 78.1491, 75.6192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(222, 232, 215) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(222, 232, 215) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(222, 232, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 232, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 232, 215);  
box-shadow:4px 4px 4px 4px rgb(222, 232,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2466, 78.1491, 75.6192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 232, 215) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(222,  
232, 215) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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